

Realizing redundancy with PPPoE

There is a product that enables redundant configuration by combining the PPPoE with the function of router. That is CentreCOM AR320 of Allied Telesys.

AR320 has a 'trigger' function for letting the router execute the event in a predetermined time. When the session of PPPoE becomes discontinued due to generation of line trouble, setting so that the traffic for router at the discontinued line side is transferred to all other routers, it is possible to realize the redundancy (Fig. 6).

Further, AR320 is mounted with VRRP of router 2 double protocol. Even when trouble is generated in router or LAN, the line used can be smoothly switched. It is compatible with multi-group VRRP as well, and with every personal computer changed in default gateway specification, two lines can be used together in normal operation mode.

To employ a configuration, it is necessary to make the contract for two broadband lines, but the charge for CATV or ADSL is lower as compared with conventional exclusive line type services. The charge is sometimes relatively lower even in case the contract is made for two lines. It is necessary for users fully utilizing broadband lines to take into account products having such a function of enhancing endurance against trouble.

Fig. 6

There is a product that realizes redundancy by using PPP over Ethernet. CentreCOM AR320 of Allied Telesys has a 'trigger' function for switching the routing passage in a predetermined time. Using this function, when the session of PPP over Ethernet becomes discontinued, the endurance against trouble can be enhanced by setting so as to switch the routing passage. Also, AR320 is mounted with protocol VRRP provided with redundancy so that it is capable of switching the passage even in case of generation of trouble in the router itself or LAN.

